

1/37

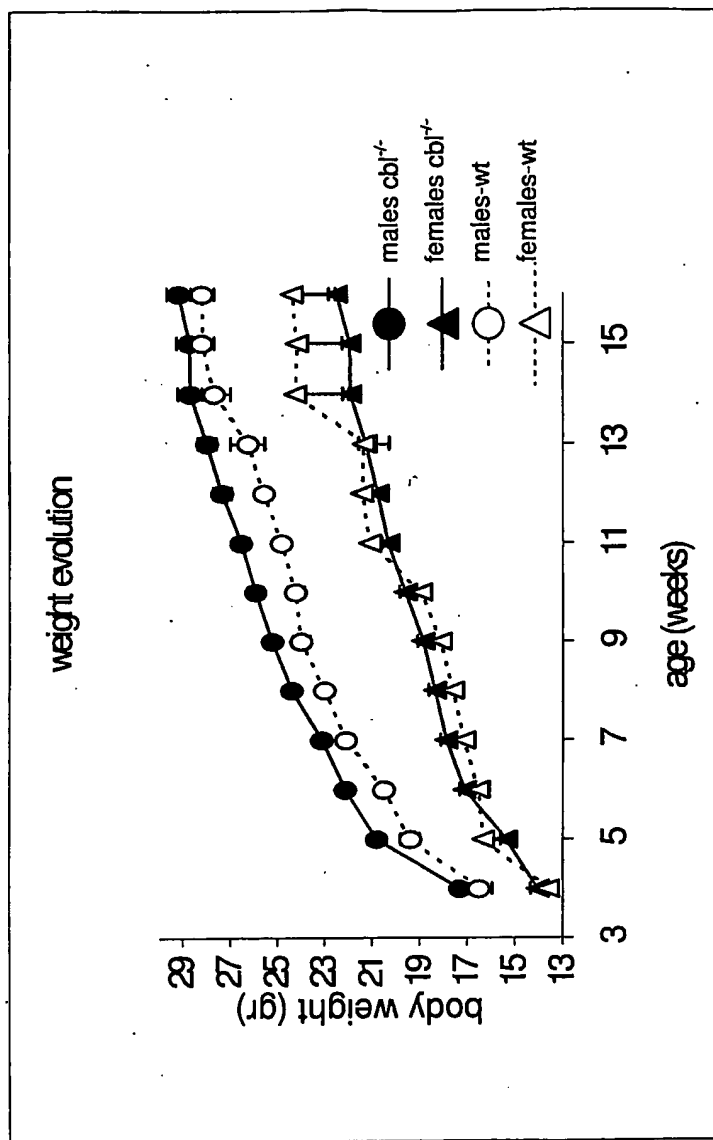


FIGURE 1

2/37

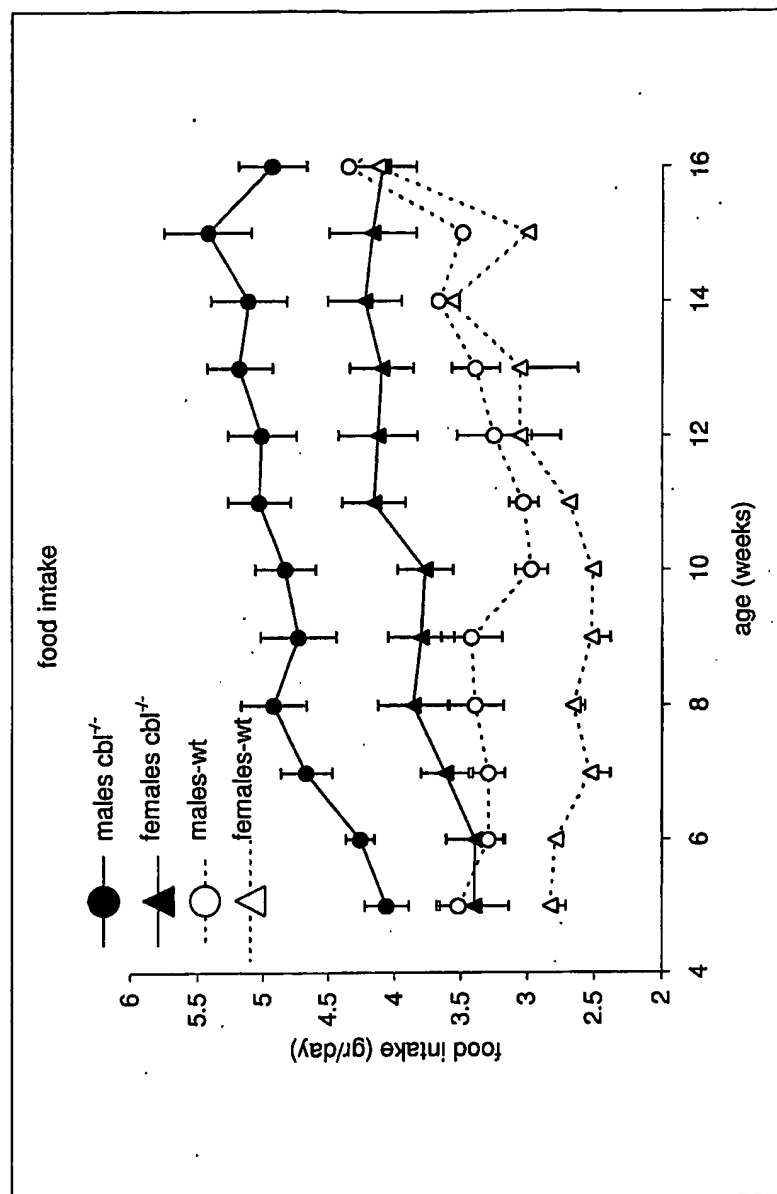


FIGURE 2

3/37

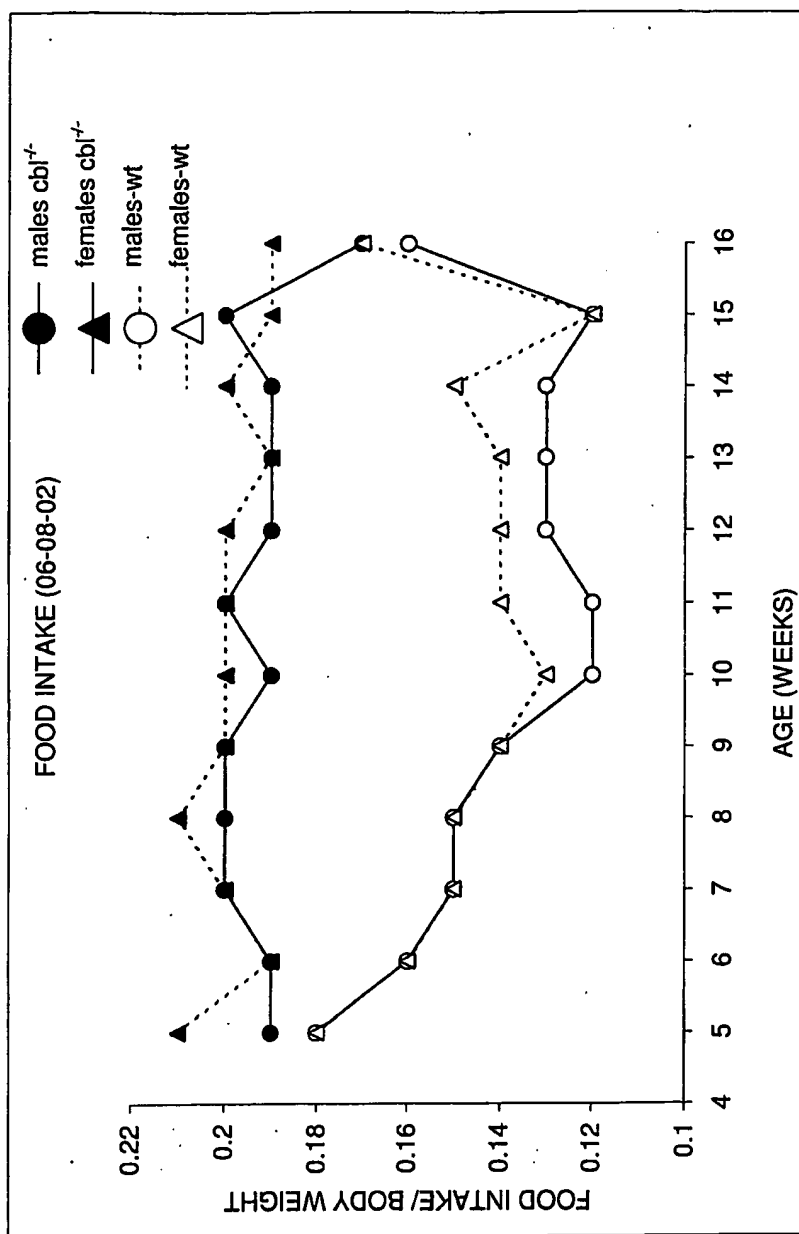


FIGURE 3

4/37

TISSUE WEIGHT

Wild Type

AVG	30.4	0.543	0.141	0.204	100	1.79	0.46	0.67
SEM	0.54	0.129	0.002	0.011		0.46	0.01	0.02
	BW	WAT	BAT	QUAD	BW	WAT	BAT	QUAD

Cbl-deficient

AVG	30.00	0.226	0.073	0.206	100.00	0.75	0.24	0.69
SEM	0.95	0.021	0.005	0.013		0.07	0.01	0.04
	BW	WAT	BAT	QUAD	BW	WAT	BAT	QUAD

FIGURE 4

5/37

Wild Type



Cbl-deficient

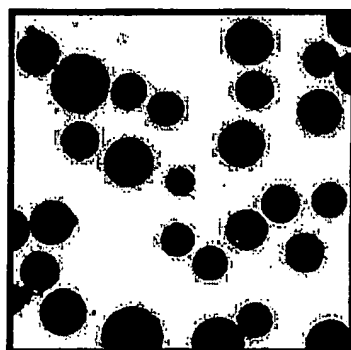


FIGURE 5

6/37

ADIPOCYTE SIZE MALES

	diameter (μm)		VOLUME (pl/cell)		Lipid content (ng/cell)	
	AVG	SEM	AVG	SEM	AVG	SEM
WT	84.91	1.57	240.28	4.45	219.86	4.07
KO	49.44	0.90	82.43	1.25	75.42	1.14
KO 500	56.82	1.23	72	1.56	65.88	1.43

ADIPOCYTE SIZE FEMALES

	diameter (μm)		VOLUME (pl/cell)		Lipid content (ng/cell)	
	AVG	SEM	AVG	SEM	AVG	SEM
WT	80.48	2.32	204.6	5.9	187.3	5.4
KO	55.21	1.77	66.05	2.12	60.92	1.96

FIGURE 6

7/37

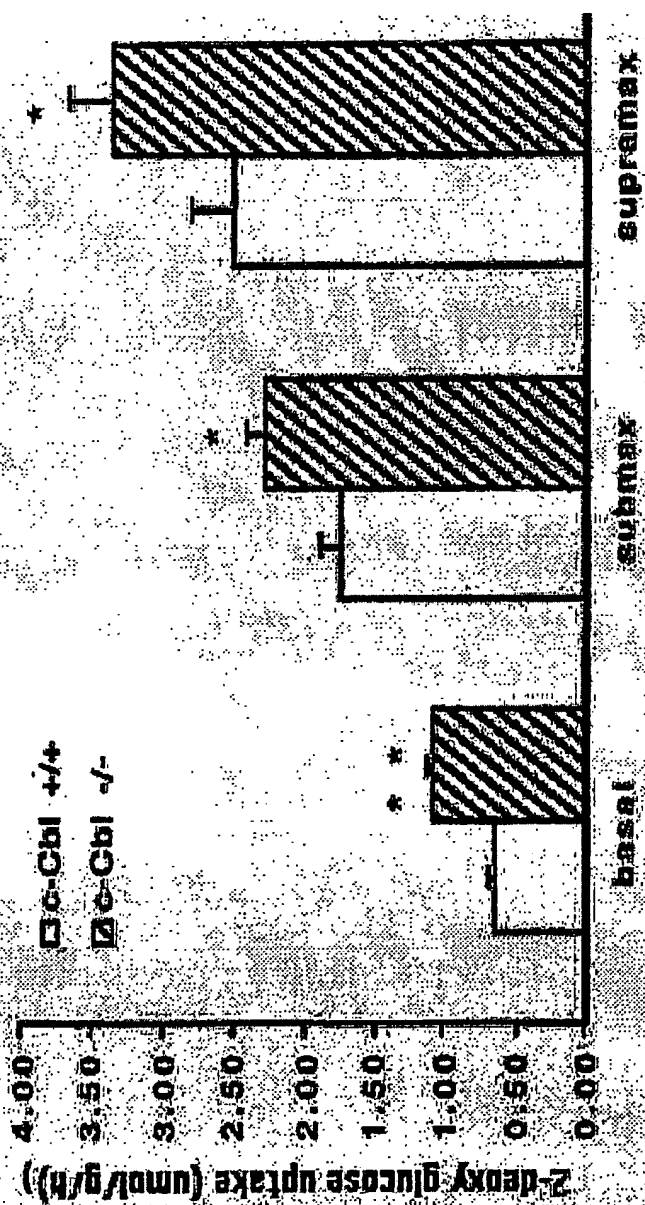


FIGURE 7a

8/37

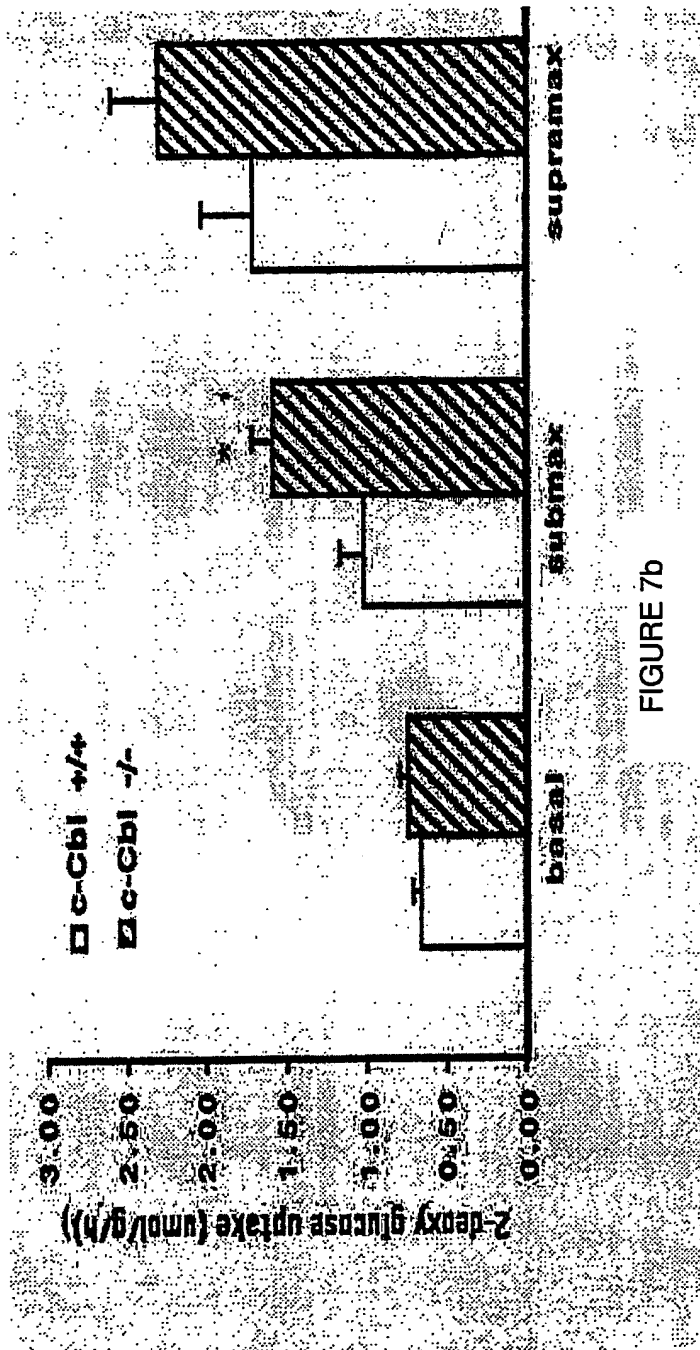


FIGURE 7b

9/37

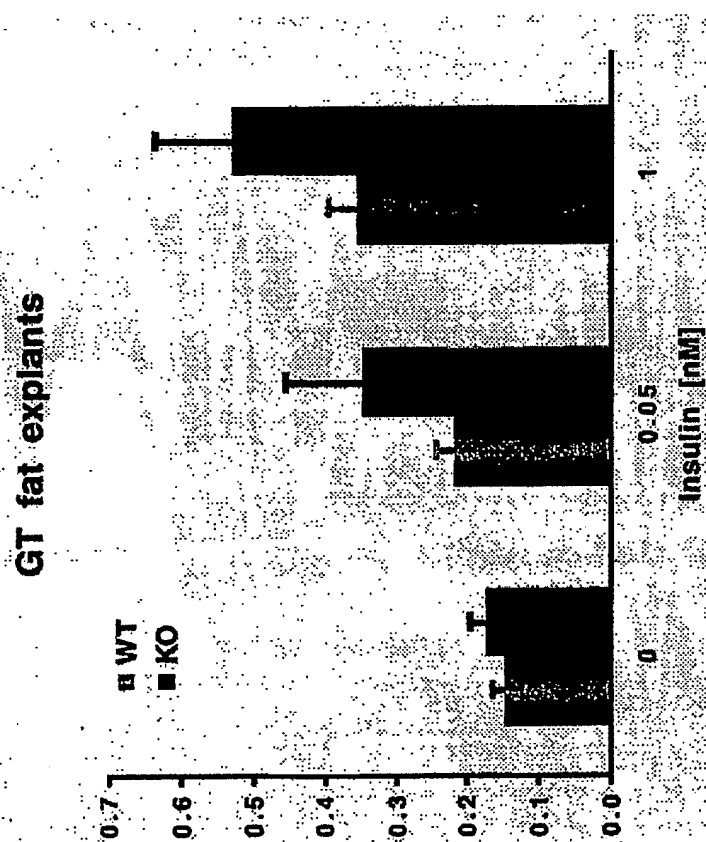


FIGURE 7c

10/37

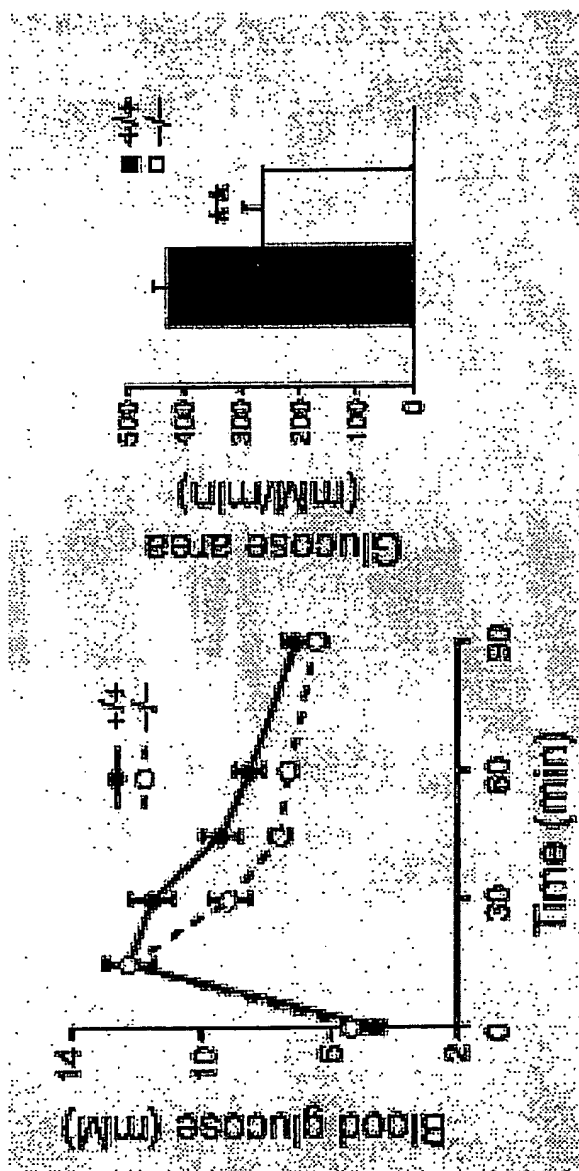


FIGURE 8a

11/37

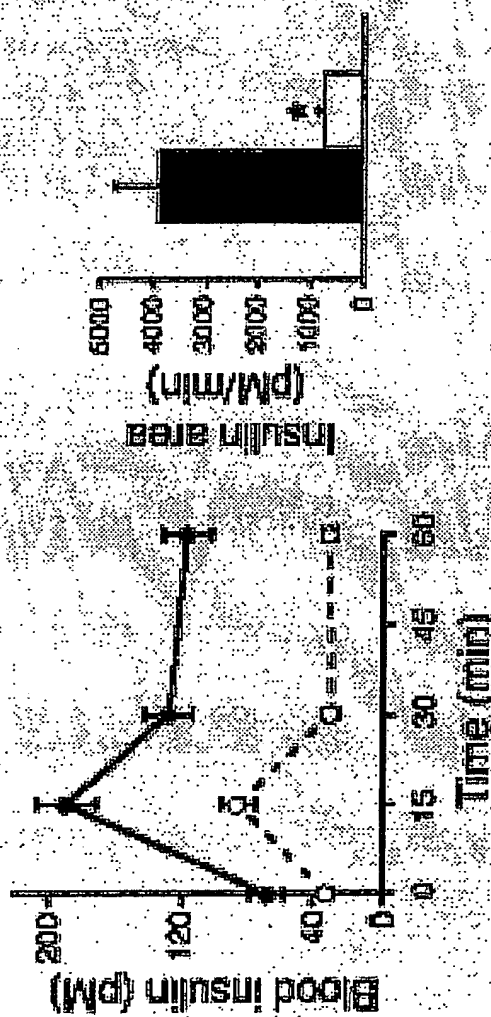


FIGURE 8b

12/37

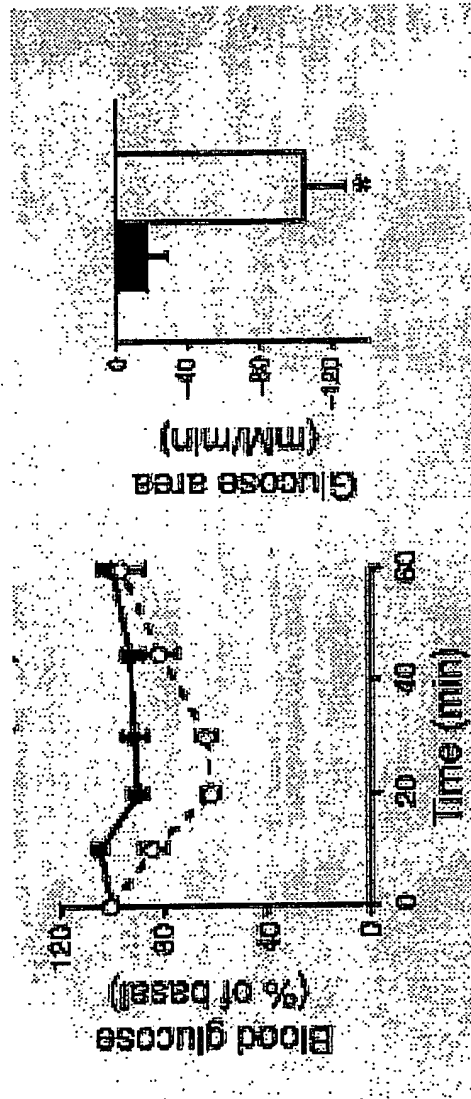


FIGURE 8c

13/37

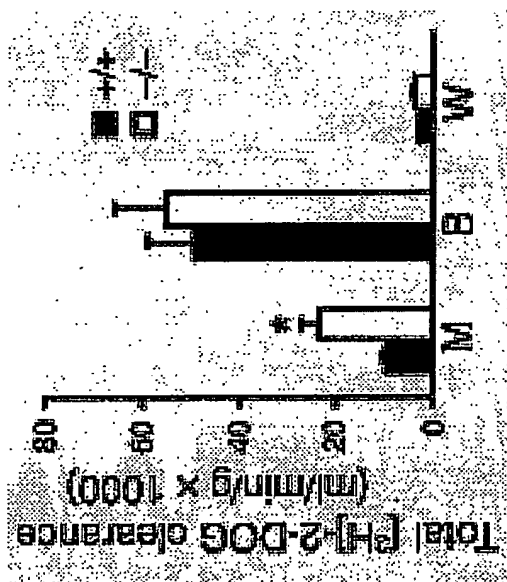


FIGURE 8d

14/37

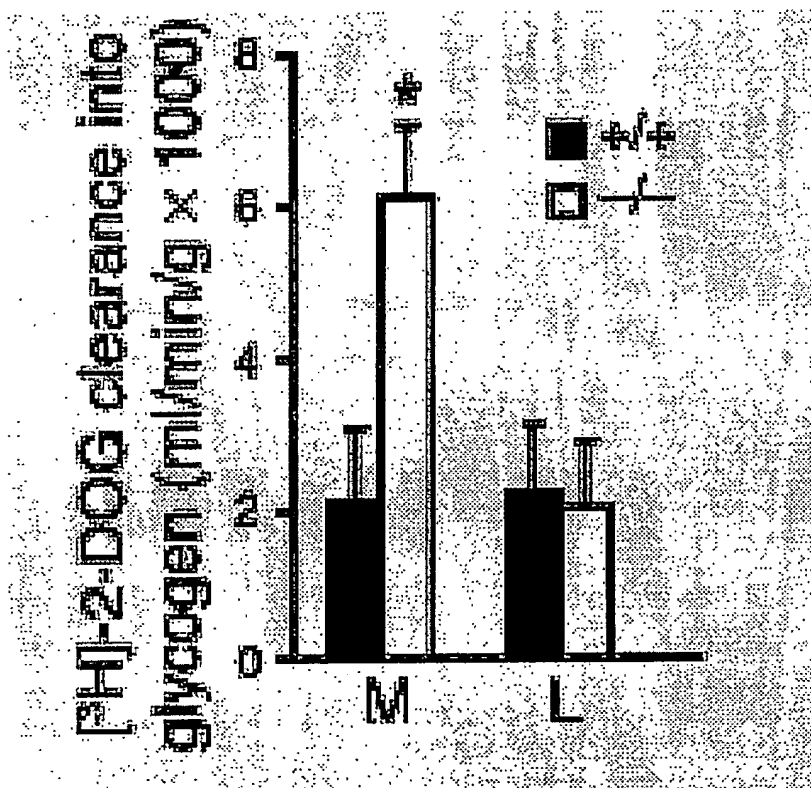


FIGURE 8e

15/37

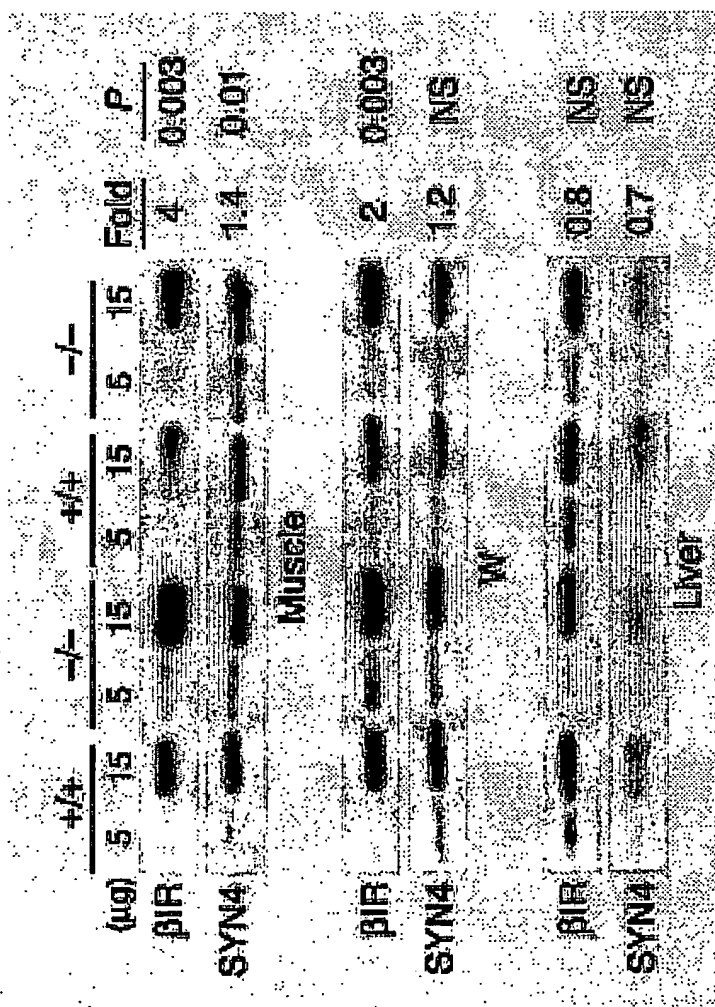


FIGURE 9

16/37

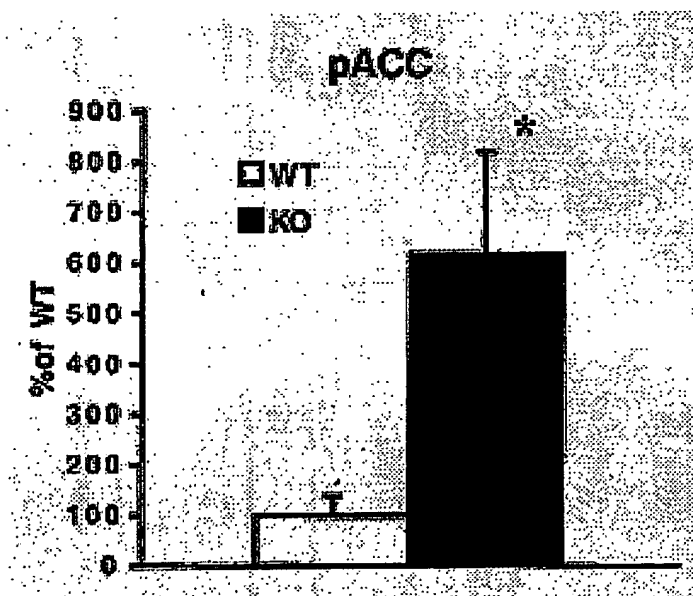


FIGURE 10a

17/37

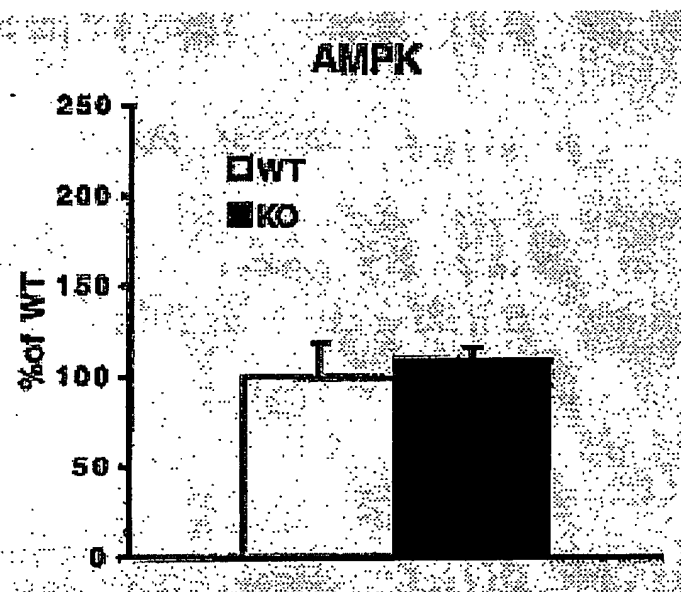


FIGURE 10b

18/37

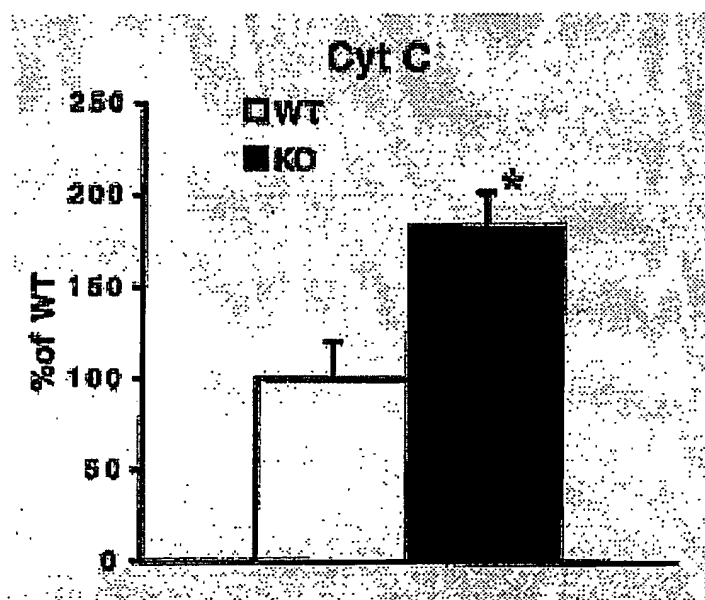


FIGURE 10c

19/37

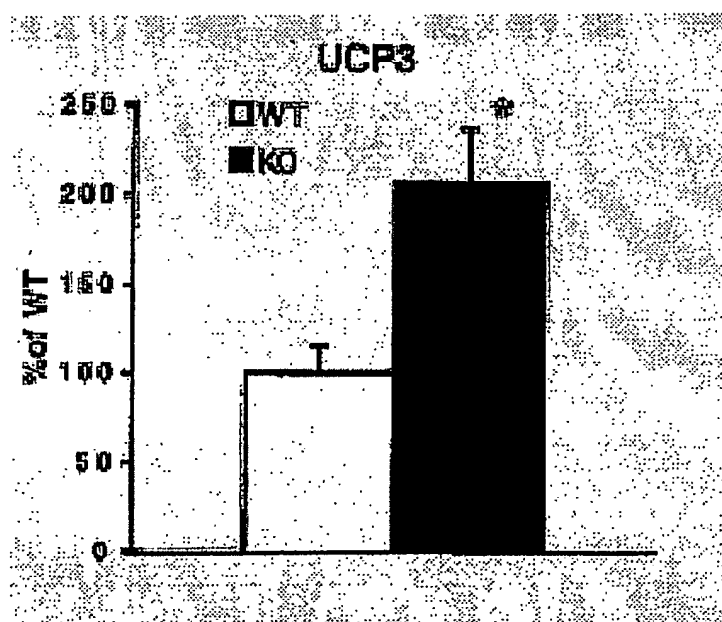


FIGURE 10d

20/37

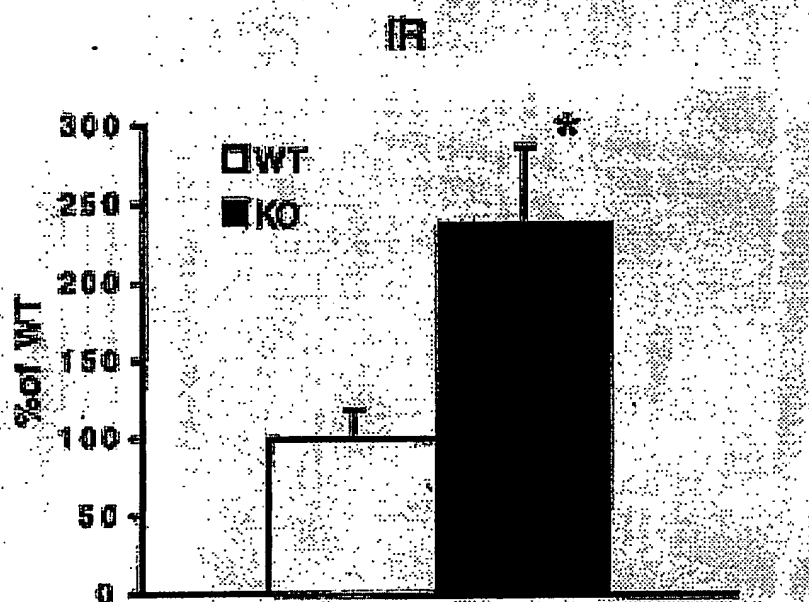


FIGURE 10e

21/37

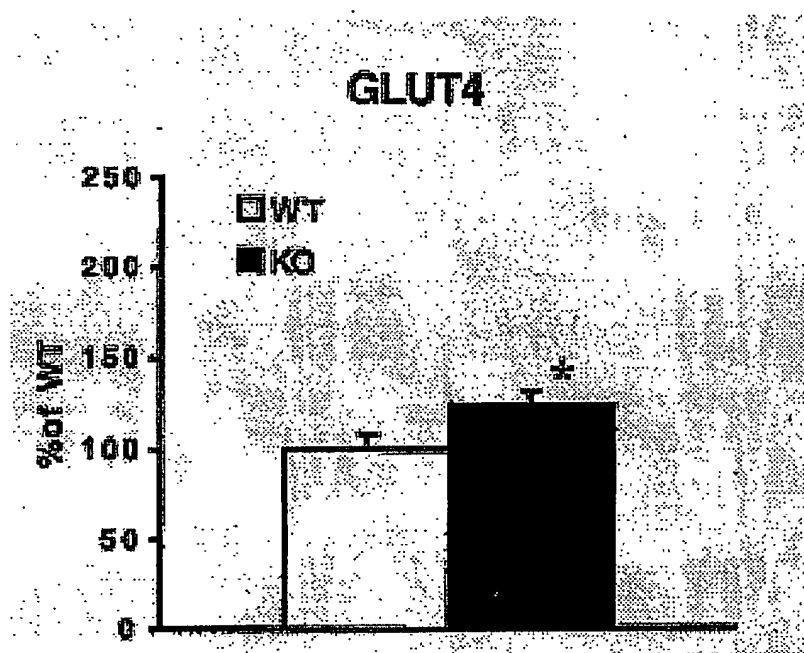


FIGURE 10f

22/37

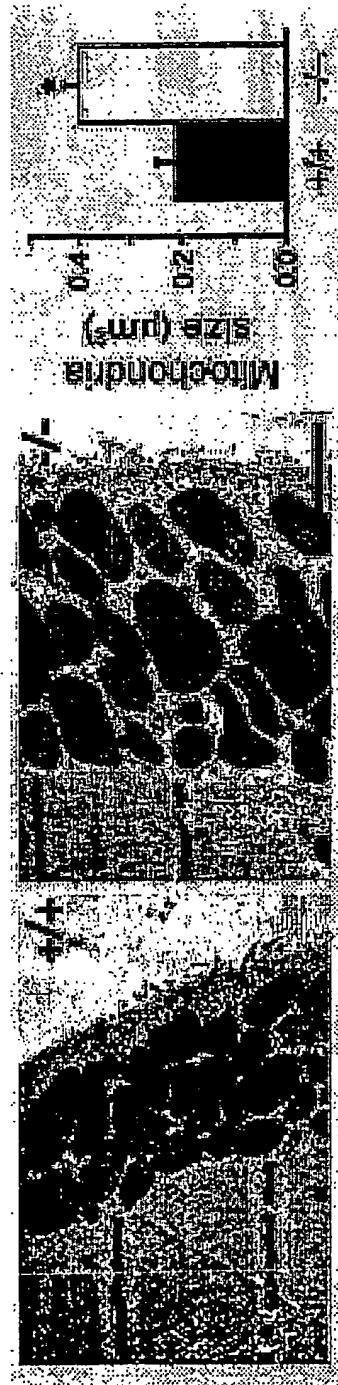


FIGURE 11a

23/37

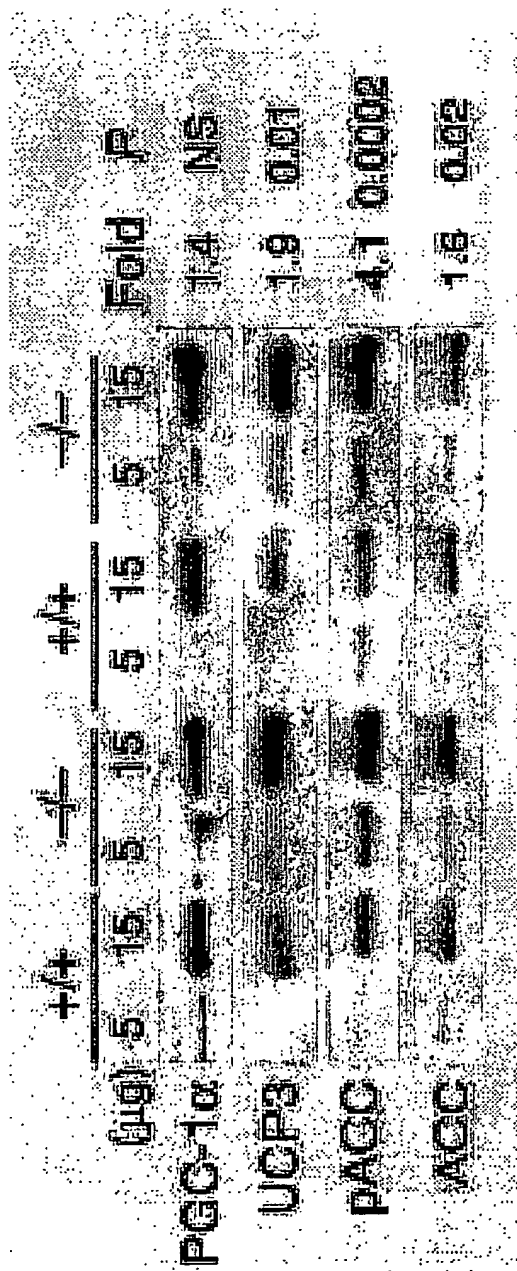


FIGURE 11b

24/37

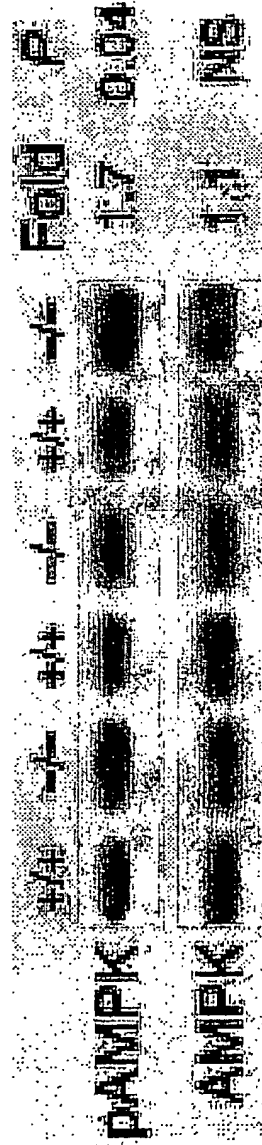


FIGURE 11c

25/37

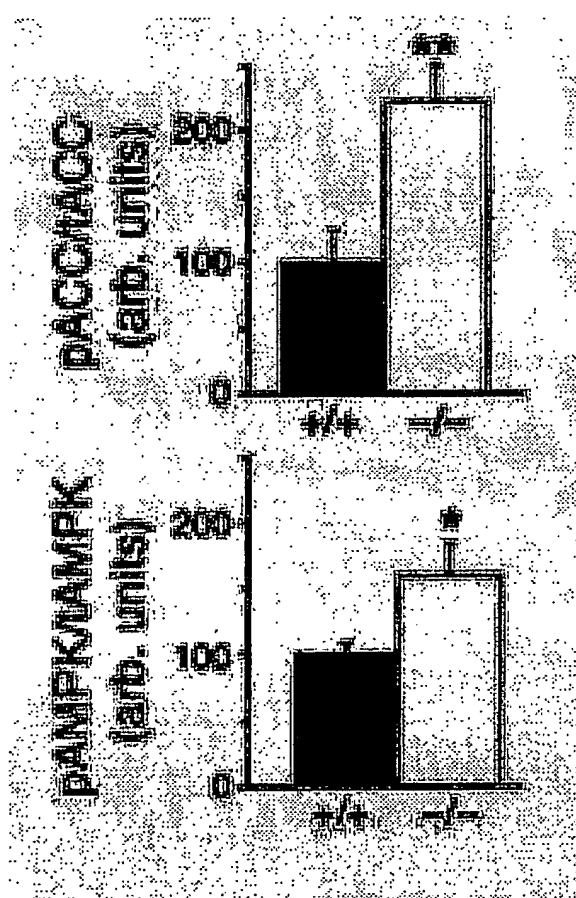


FIGURE 11d

26/37

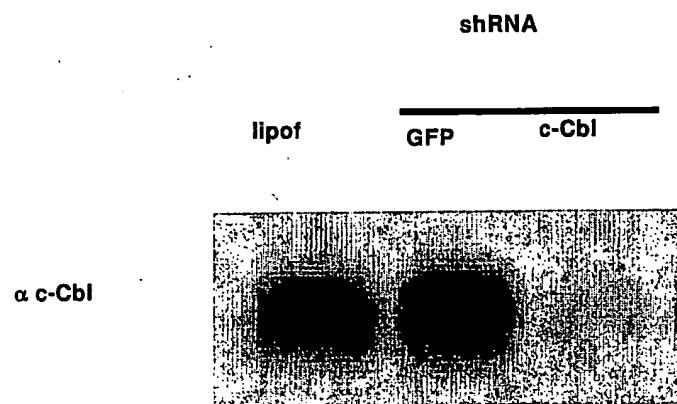


FIGURE 12a

27/37



FIGURE 12b

28/37

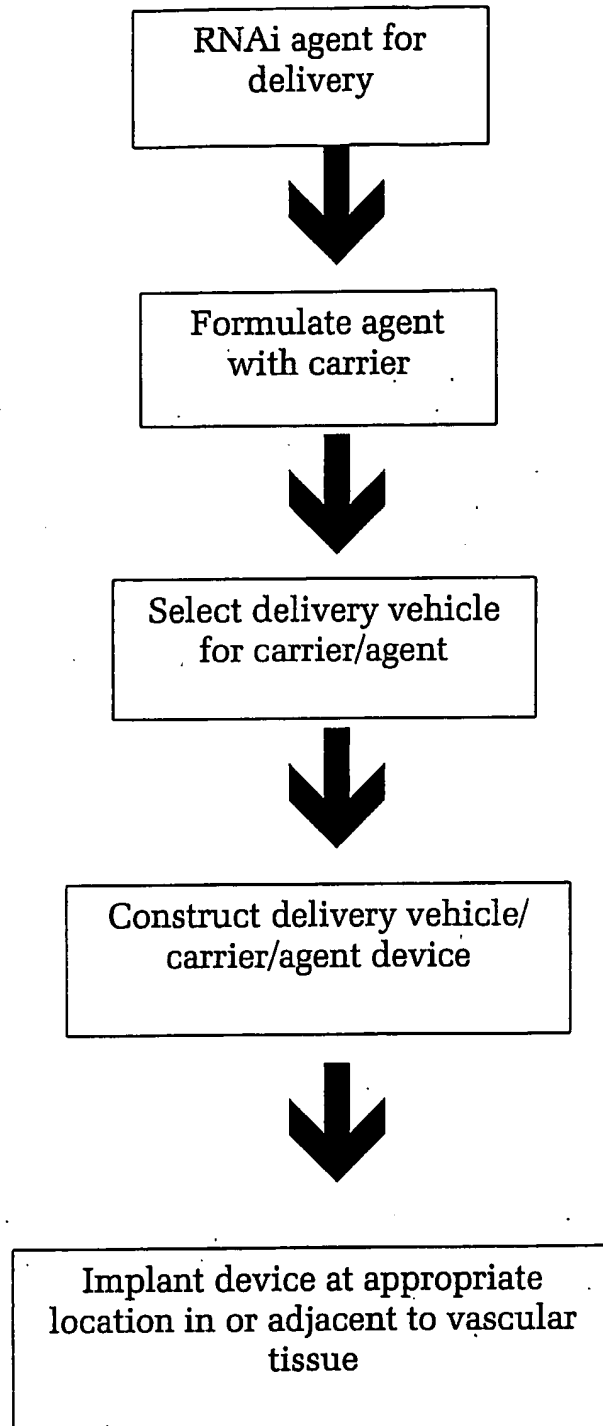


Figure 13

29/37

20

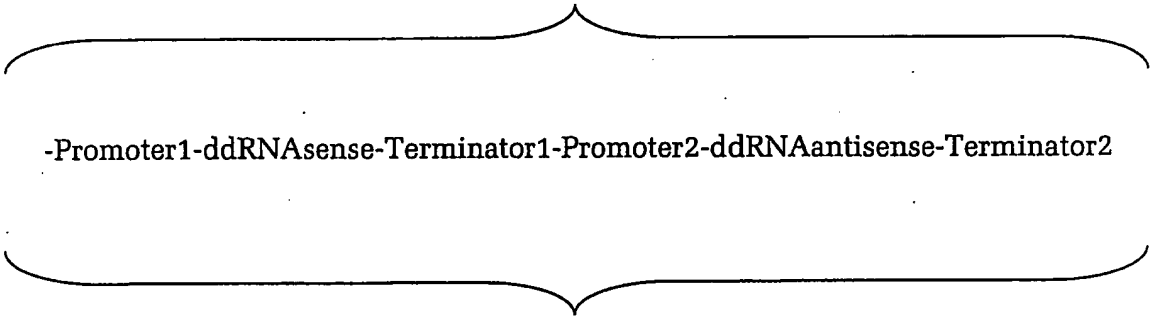


-Promoter-shRNA-Terminator-

10

Figure 14a

20



-Promoter1-ddRNA_{sense}-Terminator1-Promoter2-ddRNA_{antisense}-Terminator2

10

Figure 14b

30/37

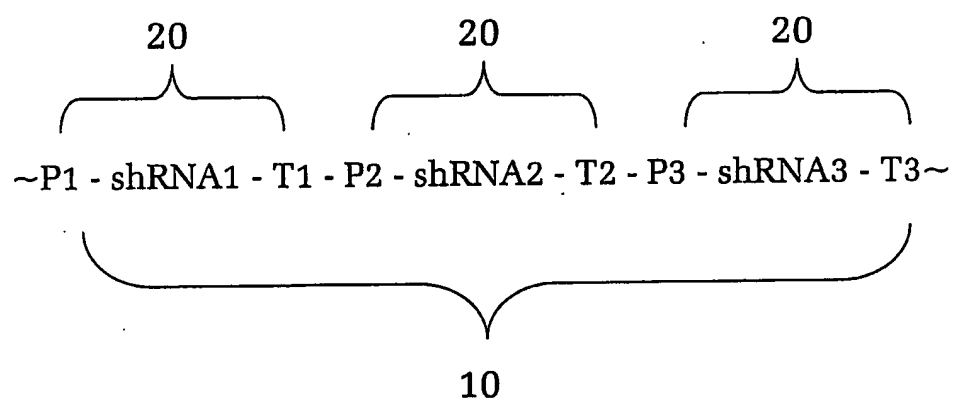


Figure 14c

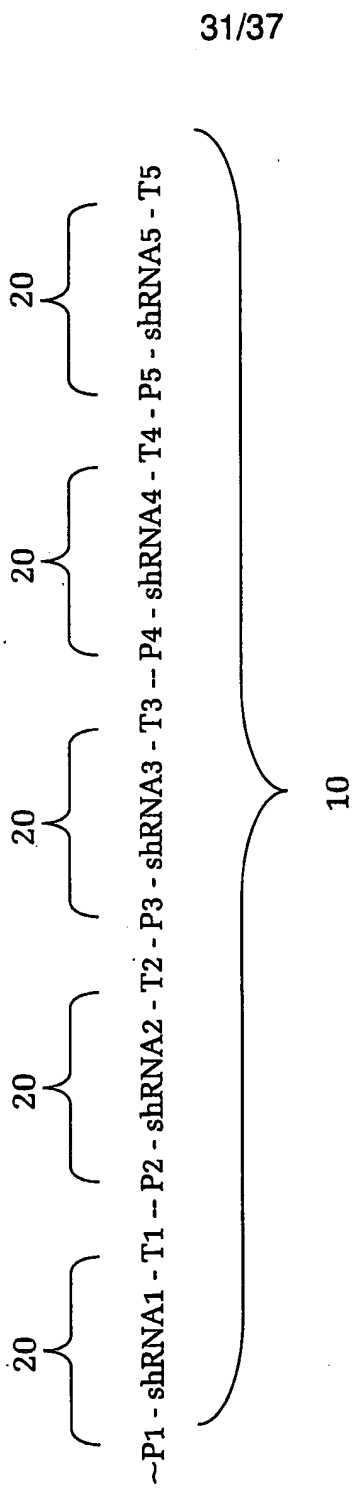


Figure 14d

32/37

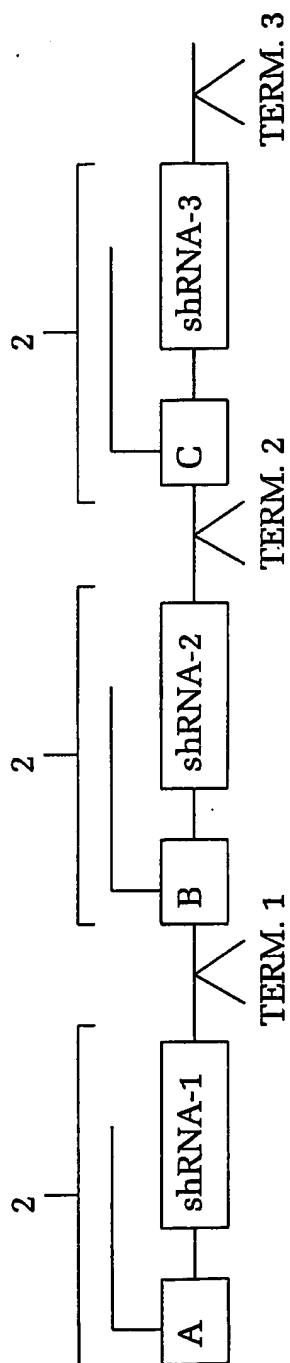


Figure 15a

33/37

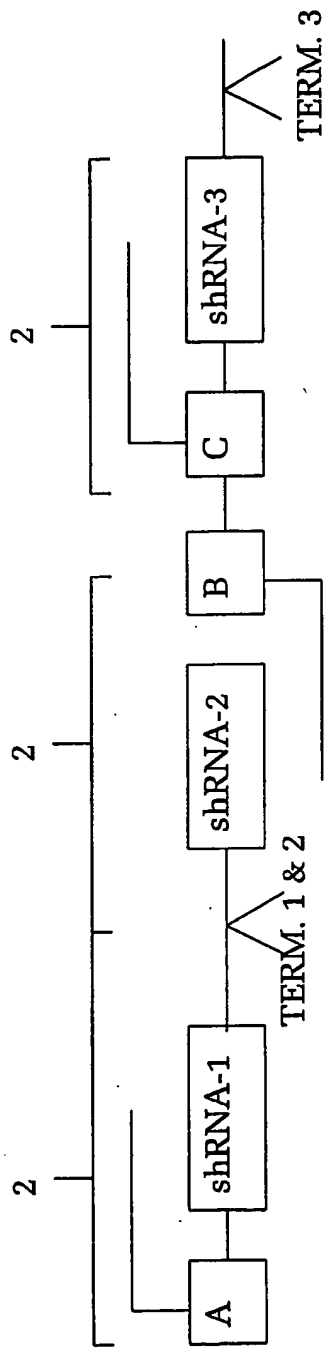


Figure 15b

34/37

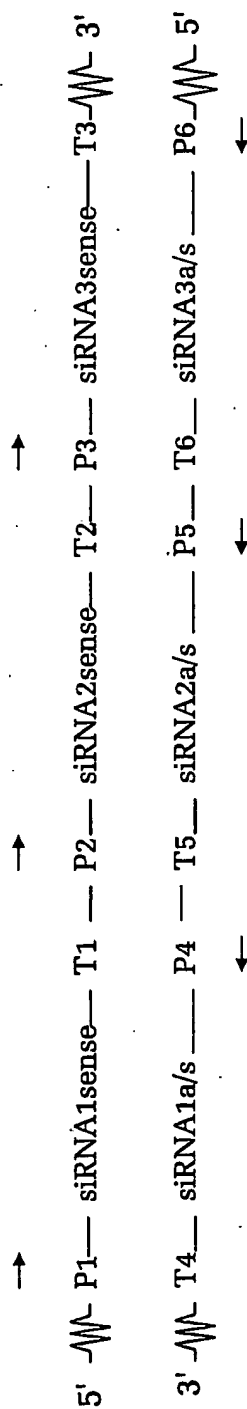


Figure 15c

35/37

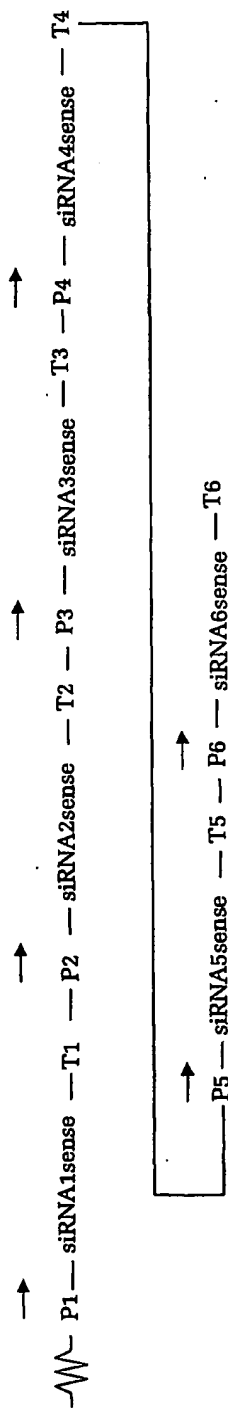


Figure 15d

36/37

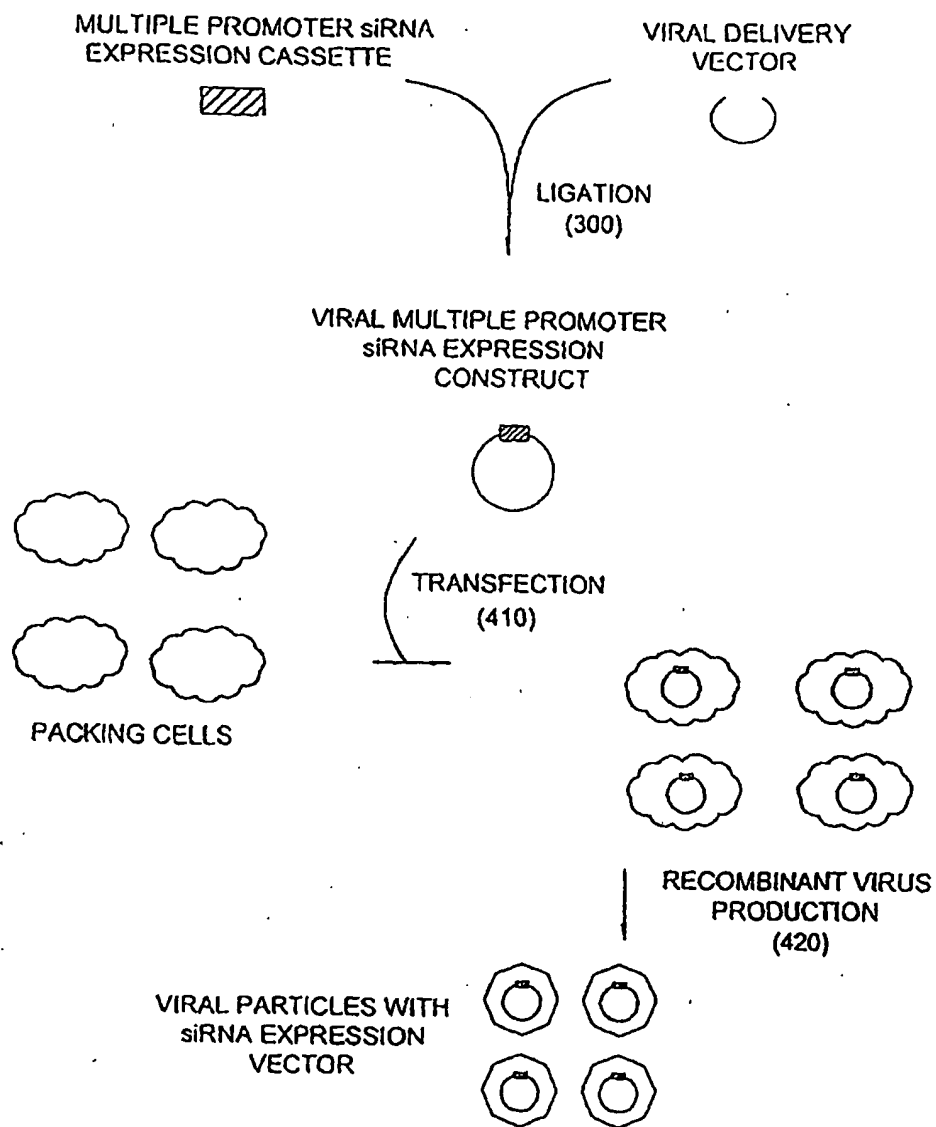


FIGURE 16a

37/37

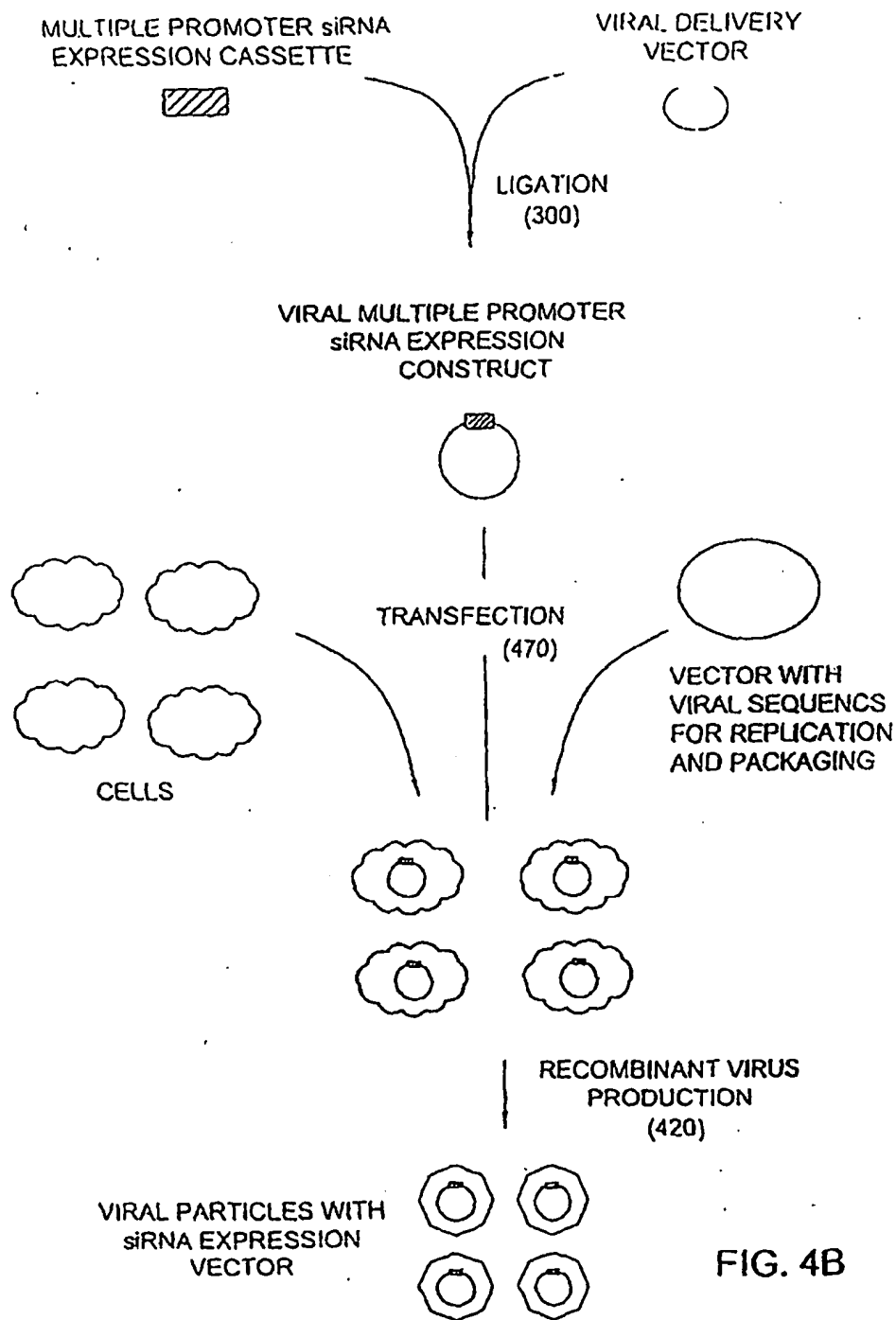


FIG. 4B

FIGURE 16b